



IMPROVED COOK STOVES COLLOQUIUM 7TH JUNE - NAIROBI

By Margaret C.A. Owino
Director: Solar Cookers Int. (East
Africa)

Who we are.....

- An international organization
- Promoting the use of clean energy and clean energy technologies
- Especially the use of solar cookers for cooking and solar water pasteurization.
- Integrated cooking when the sun does not shine or at night and early morning.

Where we work...

- Mainly in Kenya
- But also in the wider eastern Africa
- Capacity building for partners (User training and TOT)
- Enabling access to supplies
- Evaluating progress made
- Disseminating results

How we work.....

- Undertaking community projects and even relief projects in refugee camps
- Working with like minded NGOs, GoK departments, CBOs etc
- Technology innovation, identification, access
- Public education and awareness
- Sale of the technology, monitoring usage and documentation of progress made.

PROBLEM



Issues....

- Reduction of indoor air smoke from cooking and lighting
- Fuel wood scarcity – offering alternatives
- Health issues related to cooking, unsafe water
- Enabling access in a sustainable manner – community development

INTERVENTIONS



Fireless



Solar



Upesi



Gas

Bola



KCJ



**Rocket
Stove**



METHODOLOGY

- Use of SCOREPs from initial project, assign each to a specific location, total (8 locations)
- Upgrade / stock site office to match needs of wider project scope
- Train SCOREPs: additional information and skills to handle at least 5 interventions.
- Honing their skills in production and social marketing skills.
- Ease of identification and promotion: T-shirts, business cards, caps, mobile phones and bicycles

KADIBO SCOREPS



CHALLENGES AND SOLUTIONS

1: LACK OF INITIAL CAPITAL:

- Funding from USEPA totaling to 150,000\$ in the two years and co-funding from SCI—80,000\$.

2. COMMUNITY ACCEPTANCE AND SUPPORT

- Project officers officially introduced the project to key stakeholders.
- Official letters introducing the entrepreneurs to community, church and institution leaders.
- Sharing information and results with key stakeholders who further spread the information.
- Encouraging the leaders to be first adopters and so lead by example.
- Using other agencies forums to spread the word.

3. IGNORANCE OF THE NEGATIVE HEALTH IMPACTS OF IAP.

- Knowledge enhancement talks and seminars on effects of smoke on health.
- Statistics and real life experiences recounted.
- Flyers with information, and graphics of parts of the body affected by IAP published and distributed.
- Skits, drama and songs on the problem and the solutions available.
- Flyers with graphics of the interventions available to assist in smoke reduction, where found and from whom.

A man is seen from the back, wearing a bright yellow t-shirt. The t-shirt has a graphic design on the back. At the top, the text 'ked gi iro' is written in a bold, red, sans-serif font. Below this, the text 'IN KADIBO AND BEYOND' is written in a smaller, black, sans-serif font. Underneath the text are several line drawings of traditional cooking items: two large pots on stands, two smaller pots on stands, a small pot on a stand, and two baskets. The man is standing in a room with a patterned rug and a white wall.

[illegible]

4. AGE OLD HABITS AND ATTITUDES.

- Group talks, school talks and public demonstration of the technologies in markets, schools
- Radio spots and discussions by beneficiaries
- Talks in churches, funeral gatherings, farmers field days.
- Promotional materials, T-shirts, caps, aprons
- Model kitchen demonstration.
- Home visits and encouragement
- Working with partners – MOH, Local administration, other NGOs

5. MARKET ACCESS :

- Market survey to establish needs and resources.
- Enabling access through purchasing and distribution of technologies to various locations.
- Entrepreneurs identifying, training and working with sub – stockists / installers for further market penetration.
- Agreeing on pricing and area delineation.
- Promoting only quality products

MARKET ACCESS



6. SUSTAINABILITY VS COMPETING FELT NEEDS:

- Enlisting the support to micro–credit organization e.g. VI Agroforestry.
- Training in village savings and credit
- Saving and borrowing to meet felt needs and for business growth.
- Sharing of profits and motivation to continue with saving
- Emerging saving and loans groups in the area
- Men joining the energy technology business
- Adoption of solar lamps to enhance Indoor air quality.

SUSTAINABILITY



Results from one such project:

- From 8 initial entrepreneurs, now there are additional 32 women involved in the stoves project total 40.
- 1,560 households have improved on their cooking technologies, that adds up nearly 10,000 people enjoying a reduction of the effects of IAP, $\frac{1}{4}$ the population.
- Awareness is very high and over 31,085 people have been reached with the smoke message.
- 6 manufacturers are producing stoves and 9 schools are using the interventions in food preparations.
- Mushrooming of the village saving and loans groups (VSL)
- Increased inquiries and sales to areas outside the project area.

LESSONS :

- There is a logical trend in stoves adoption, from the known to the less known.
- The critical message that appeals to buyers is one affecting their health, then saving of income and finally energy and environmental concerns.
- Stoves must be accessible and affordable.
- Sustainability of the enterprises is almost assured through access to credit and a ready market.
- Commercialization may leave out the vulnerable, so other strategies must also be adopted to serve them.

CONCLUSION

The initiation, progression and sustenance of energy technology related businesses is possible with: start up funding, consistent monitoring, creation of linkages and enabling partnerships as tangible health and economic benefits are felt by the communities involved.

ADDRESS

Margaret C.A.Owino
Regional Director
Solar Cookers International (EA)
P.O. Box 51190 – 00200
Nairobi – Kenya

Tel. 254 – 20 – 4347144 / 4347205

Cell phone: + 254 722 305 895

Email: sci@iconnect.co.ke

maggyaponi@yahoo.com

Web: www.solarcooking.org



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